

TECHNICAL INFORMATION SHEET

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SUBJECT: BIG HORN® CH 30

Specially sized pure granular sodium bentonite for granular applications.

COLOR: Light Gray

TYPICAL CHEMICAL ANALYSIS:	<u>%</u>
SiO ₂	60.34
Al ₂ O ₃	19.28
Fe ₂ O ₃	3.48
Na ₂ O	2.34
TiO ₂	.22
CaO	.38
MgO	1.67
K ₂ O	.10
Other	.07
H ₂ O	7.75
L.O.I.	4.37

E.P. TOXICITY ANALYSIS:		
	E.P.A. Standard <u>ppm</u>	Typical Analysis <u>ppm</u>
Arsenic	5.0	< 0.1
Barium	100.0	0.5
Cadmium	1.0	< 0.05
Chromium	5.0	< 0.1
Lead	5.0	< 0.1
Mercury	0.2	< 0.02
Selenium	1.0	< 0.05
Silver	5.0	< 0.1

SPECIFIC GRAVITY: 2.55 ± 0.1

BULK DENSITY (lbs/ft³): 64 ± 2

SPECIFICATIONS:
 82% Passing 16 Mesh
 5% Maximum Passing 50 Mesh

TYPICAL PARTICLE SIZE:

<u>U.S. Std. Sieve Size</u>	<u>% Retained</u>
10 mesh	.2
16 mesh	17.1
20 mesh	33.2
40 mesh	45.5
50 mesh	2.0
-50 mesh	2.5

TYPICAL CHARACTERISTICS:

Wet Screen Analysis	
Residue on U.S.	
Sieve No. 200	3.0 ± 0.5
pH	9.1 ± 0.4
Moisture Content - %	7 ± 2
Cation Exchange Capacity	70-90
(CEC meq(100 gm)	
Swell (cc/2 gm)	20 ± 3

USES:
 Binding, plasticizing, sealants.